

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **Kazunori TAKADA et al.**

Serial No.: **Not yet assigned**  
(§371 of international application No. PCT/JP2004/000511)

Filed: **July 22, 2005**

For: **SODIUM COBALT OXIDE HYDRATE**

Attorney Docket Number: **052074**  
Customer Number: **38834**

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Date: July 22, 2005

Sir:

In compliance with 37 C.F.R. §1.56, Applicants direct the attention of the Patent and Trademark Office to the documents listed on the attached PTO/SB/08. A copy of each non-U.S. document is enclosed herewith.

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Respectfully submitted,

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Enclosure: PTO/SB/08, 10 documents and international search report.

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<b>Combined Form PTO/SB/08A&amp;B</b>  <b><u>INFORMATION DISCLOSURE</u></b> <b><u>STATEMENT BY APPLICANT</u></b>  <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	New Application
				Confirmation Number	
				Filing Date	July 22, 2005
				First Named Inventor	Kazunori TAKADA et al.
				Art Unit	
Examiner Name				Attorney Docket Number	052074
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
	1	JP	2002-274943		09-25-2002	Tohoku Techno. Arch. Co., Ltd. (Cited in the int'l. search report)	Abstract
	2	JP	2001-320095		11-16-2001	Tohoku Techno Arch. Cl., Ltd. (Cited in the int'l. search report)	Abstract

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>	
	3	Claude FOUASSIER et al.; "Sur de Nouveaux Bronzes Oxygénés de Formule Na <sub>x</sub> CoO <sub>2</sub> (x ≤ 1). Le Systèm Cobalt-Oxygène-Sodium", Journal of Solid Sae Chemistry, Vol. 6, 1973, pp.532-537. (Cited in the spec.)	Partial	
	4	Jean-Jacques BRACONNIER et al.; "Comportment Electrochimique des Phases Na <sub>x</sub> CoO <sub>2</sub> ", Mat. Res. Bull., Vol. 15, 1980, pp.1797-1804. (Cited in the spec.).	Abstract	
	5	S. KIKKAWA et al.; "Deintercalated NaCoO <sub>2</sub> and LiCoO <sub>2</sub> ", Journal of Solid State Chemistry, Vol. 62, 1986, pp.35-39. (Cited in the spec.).		
	6	I. TERASAKI et al.; "Large thermoelectric power in NaCo <sub>2</sub> O <sub>4</sub> single crystals", Physical Review B, Vol. 56, No. 20, Third series, 1997, pp.R12-685-R12-687. (Cited in the spec.).		
	7	Yoichi ANDO et al.; "Specific-heat evidence for strong electron correlations in the thermoelectric material (Na,Ca)Co <sub>2</sub> O <sub>4</sub> , Vol.60, No. 15, 1999, pp.10 580-10 583. (Cited in the spec.)		
	8	Ichiro TERASAKI et al.; "Thermoelectric Properties of NaCo <sub>2-x</sub> Cu <sub>x</sub> O <sub>4</sub> Improved by the Substitution of CU for Co", Japan J. Appl. Phys, Vol. 40, 2001 pp.L-65-L67. (Cited in the spec.)		
	9	Claude DELMAS et al.; "A new variety of LiCoO <sub>2</sub> with an unusual oxygen packing obtained by exchange reaction", Mat. Res. Bull., Vol.17, 1982, pp.117-123. (Cited in the spec.).		
	10	J. M. PAULSEN et al.; "Layered LiCoO <sub>2</sub> with a Different Oxygen Stacking (02 Structure) as a Cathode Material for Rechargeable Lithium Batteries" Journal of The Electrochemical Society, Vol. 147, No. 2, 2000, pp.508-516. (Cited in the spec.).		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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